

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

SECRET

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

25X1

COUNTRY East Germany

REPORT

25X1

SUBJECT VEB Transformatoren- und Roentgenwerk Dresden: 1955 Development Plan

DATE DISTR. 26 July 1955

NO. OF PAGES

4

DATE OF INFO.

REQUIREMENT NO. RD

PLACE ACQUIRED

REFERENCES

25X1

DATE ACQUIRED

This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

The following chart shows the 1955 Development Program for the Development Office of VEB Transformatoren- und Roentgenwerk Dresden. The Development Office is directly responsible to the Central Office for Development and Construction of Electric Machinery, which is under the Main Administration of Electric Machine Construction in the East German Ministry for Heavy Machine Construction. The 1954 plan number of projects carried out in that year are given for the sake of comparison.

25X1

Transformatoren- und Roentgenwerk Dresden (R)

<u>Designation</u>	<u>Old Planned Funds¹ in TDME</u>	<u>New Planned Funds¹ in TDME</u>	
Lithium-sulphate oscillators for ultrasonic devices	10	--	25X1
Piezo-electric oscillators (Piezolanschwinger) for ultrasonic devices	30	30	
General X-ray technology	60	40	
6-valve apparatus	120	120	25X1
Single enclosure (Einkessel) X-ray diagnostic apparatus	75	50	
X-ray diagnostic hood for 150 kV (K5-04 D)	50	--	
X-ray diagnostic devices	350	350	
X-ray diagnostic equipment for infra-red X-ray therapy	25	25	25X1
X-ray equipment for depth therapy (Tiefentherapie) 250 kV	100	100	

SECRET

STATE	☒	ARMY	☒	NAVY	☒	AIR	☒	FBI		AEC		
-------	-------------------------------------	------	-------------------------------------	------	-------------------------------------	-----	-------------------------------------	-----	--	-----	--	--

25X1

SECRET

- 2 -

25X1

<u>Designation</u>	<u>Old Planned Funds in TDME</u>	<u>New Planned Funds in TDME</u>
X-ray equipment for depth therapy, 400 kV	150	100
Direct-current fine structure X-ray equipment	40	40
Single enclosure X-ray equipment for investigation of crude structure (Grobstruktur) (K5-10D)	20	--
X-ray equipment for the investigation of crude structure, 400 kV	290	200
Electron gun equipment	50	50
Industrial radiation-measuring technological equipment	150	100
Ionization chambers	100	260
Radiation dosimeters	130	60
Geiger-Mueller counting tubes (Zaehlröhre)	100	40
Counting tube devices	130	40
Electro-diagnostic devices (Kr-04D)	30	--
Devices for electro-therapy and diagnostics	70	70
Electro-surgical devices	35	35
DIN 6811 and 6812 requirements on X-ray devices	30	30
Devices for short-wave therapy, microwave therapy and electro-pyrex	70	70
Large installations for electro-aerosol therapy	15	15
Ultrasonic boring devices	20	20
Ultrasonic diagnostic devices	12	12
Ultrasonic equipment	93	30
Laryngo-stroboscope (Kehlkopfstroboskop)	10	10
Anti-diffusing screen (Streustrahlen-Flachblendenraster)	45	20
	<u>2,390</u>	<u>1,717</u>

- Ultrasonic aerosol devices -

Transformatoren- und Röntgenwerk Dresden (T)

Betatron 10 and 20 MeV	80	80
Resistance to shock (Stoßfestigkeit) of transformers	80	80
Boundary field problems (Randfeldprobleme) of transformers	100	60
Insulation and synthetic material research on transformers	50	--

- 2 -

SECRET

25X1

25X1

<u>Designation</u>	<u>Old Planned Funds in TDME</u>	<u>New Planned Funds in TDME</u>
Thermal research on transformers	30	30
High-frequency disturbances in measuring transformers	30	30
Equivalent circuits (Kunstschaltungen)	60	30
Measuring transformers from texture plates (Texturbleche)	60	60
Core material for current transformers	30	30
<u>Kurzschlussfestigkeit von Leistungstrafos</u> ³	--	--
Shock operations (Stoßvorgänge) on testing transformers	60	--
Compressed gas condenser series	35	105
Van de Graaf generator, 2 MV	15	30
Elmi high-voltage generator	20	--
High-voltage test installations 1-3 MV	35	35
Automatic current transformer measuring equipment	47	--
Measuring transformers which are free of potential impulses (Stoßspannungsfeste Messwandler)	40	40
Cast resin transformers ²	158	158
Ring current transformers (Ringstromwandler)	30	30
Cable end terminals	15	15
Automatic tangent measuring devices	30	30
Regulating transformers	60	40
Condenser lead-ins	15	15
Test transformers, 1 MV	40	40
	<u>1,060</u>	<u>938</u>

25X1

Comments:

25X1

1. Old Planned Funds are the funds originally approved for 1955; New Planned Funds are the approved funds for 1955 as of May 1955. A revision in 1955 planned funds was made in the spring of 1955.

2. The windings and the entire assembly are imbedded in synthetic material.

3. Comment: Short circuit resistance of power transformers.

25X1

- 3 -

SECRET

25X1

Page Denied